

VGN-A63/A73PS/A73S VGN-A790 VGN-A417M/A417S/A497XP VGN-A49CP/A49GP

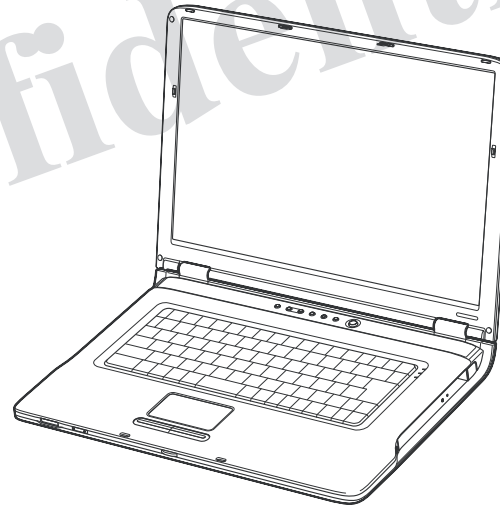
SERVICE MANUAL

Ver. 6 2005H

Revision History

Area	Model	Lineup
Japanese	Japanese	VGN-A63 VGN-A73PS* VGN-A73S*
American	US Canadian	VGN-A790
European	AEP/UK	VGN-A417M VGN-A417S VGN-A497XP
Asian/Oceania/ South Africa	International Chinese	VGN-A49GP VGN-A49CP

* : CTO Model



· Design and specifications are subject to change without notice.

· 本機の仕様および外観は、改良のため予告なく変更することがありますが、ご了承ください。

PERSONAL COMPUTER

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All other names of systems, products and services in this manual are trademarks or registered trademarks of their respective owners. In this manual, the (TM) or (R) mark are not specified.

Caution Markings for Lithium/Ion Battery - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate. Dispose of used battery promptly. Keep away from children.

CAUTION: Changing the back up battery.

- Overcharging, short circuiting, reverse charging, mutilation or incineration of the cells must be avoided to prevent one or more of the following occurrences; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
- If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection.

Service and Inspection Precautions

1. Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify areas requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the \triangle mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270°C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE \triangle SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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VGN-A63/A73PS/A73S (J)

VGN-A790 (AM)

VGN-A417M/A417S/A497XP (EU)

VGN-A49CP/A49GP (AO)

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History of the changes is shown as the "Revision History" at the end of this data.

変更履歴は、“Revision History”として、本データ末に記載してあります。

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VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

CHAPTER 1.

SPECIFICATIONS

1-1. Specifications

	J			AM	EU			AO	
	VGN-A63	VGN-A73PS*	VGN-A73S*	VGN-A790	VGN-A417M	VGN-A417S	VGN-A497XP	VGN-A49CP	VGN-A49GP
CPU	PM/Do/750/1.86GHz	PM/Do/770/2.13GHz or PM/Do/750/1.86GHz or PM/Do/740/1.73GHz or CelM/Do/370/1.50GHz	PM/Do/770/2.13GHz or PM/Do/750/1.86GHz or PM/Do/740/1.73GHz or CelM/Do/370/1.50GHz	PM/Do/760/2GHz	PM/Do/750/1.86GHz	PM/Do/760/2GHz	PM/Do/760/2GHz	PM/Do/770/2.13GHz	PM/Do/770/2.13GHz
Graphic	Mobility Radeon X600	Mobility Radeon X600	Mobility Radeon X600	Mobility Radeon X600	Mobility Radeon X600	Mobility Radeon X600	Mobility Radeon X600	Mobility Radeon X600	Mobility Radeon X600
LCD	17.0"WXGA+" -	17.0"WXGA+" or 17.0"WUXGA"	17.0"WXGA+" or 17.0"WUXGA"	17.0"WUXGA" -	17.0"WXGA+" -	17.0"WXGA+" -	17.0"WUXGA" -	17.0"WUXGA" -	17.0"WUXGA" -
HDD	100GB	100GB or 80GB or 60GB or 40GB	100GB or 80GB or 60GB or 40GB	100GB	80GB	100GB	100GB	100GB	100GB
Memory	512MB/DDR2/400*1	1GB/DDR2/400*2 or 512MB/DDR2/400*2 or 256MB/DDR2/400*2	1GB/DDR2/400*2 or 512MB/DDR2/400*2 or 256MB/DDR2/400*2	512MB/DDR2/400*2	256MB/DDR2/400*2	512MB/DDR2/400*2	512MB/DDR2/400*2	512MB/DDR2/400*2	512MB/DDR2/400*2
QUANTITY(STANDARD/MAX)	512MB/2GB	2GB	2GB	1GB/2GB	512MB/2GB	1GB/2GB	1GB/2GB	1GB/2GB	1GB/2GB
OPT-DRIVE	DVD Multi Drive -	DVD Multi Drive or Combo	DVD Multi Drive or Combo	DVD+/-RW -	DVD+/-RW -	DVD+/-RW -	DVD+/-RW -	DVD+/-RW -	DVD+/-RW -
AC ADAPTOR	AC19V7	AC19V7/AC19V10	AC19V7/AC19V10	AC19V7	AC19V10	AC19V7	AC19V10	AC19V7	AC19V7
BATTERY	BP2EA	BP2EA	BP2EA	BP2EA	BP2EA	BP2EA	BP2EA	BP2EA	BP2EA
Wireless LAN	802.11b/g	802.11a/b/g	802.11a/b/g	802.11a/b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g	802.11b/g
Bluetooth	X	X	X	X	○	○	○	X	X
AV PR	○	○/X	○/X	○	X	○	X	X	X
Audio PR	X	X	X	X	X	X	X	○	○
W-Mouse	X	○	○	○	○	○	○	X	X
Memory Card Adapter	○	○	○	X	X	X	X	○	○
Remote Controller	○	○/X	○/X	○	X	○	X	○	○
OS	XP Home	XP Pro	XP Home	XP Home	XP Home	XP Home	XP Pro	XP Pro	XP Pro

△₃ [MA]

△₁ [MA]

△₁ [MA]

△₁ [MA]

△₄ [MA]

△₂ [MA]

- The trademarks of registered trademarks of above table, refer to page 2.
- The model that is accompanied by asterisk (*) is the CTO model.
- 本表中の商標・登録商標については、2ページをご参照ください。
- 機種名に（*）がつくものはCTOモデルです。

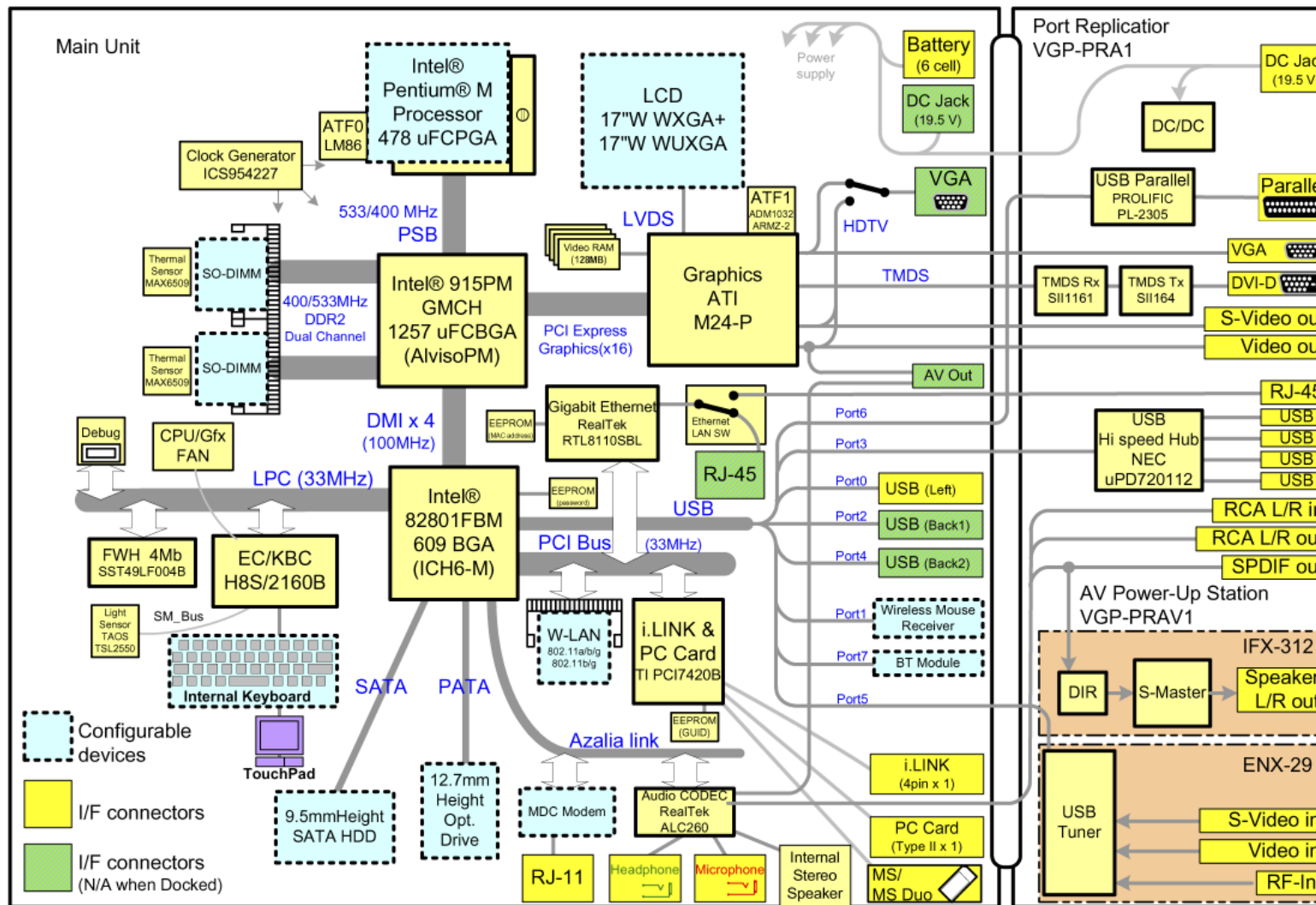
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VGN-A790 (AM)
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CHAPTER 2.

BLOCK DIAGRAM

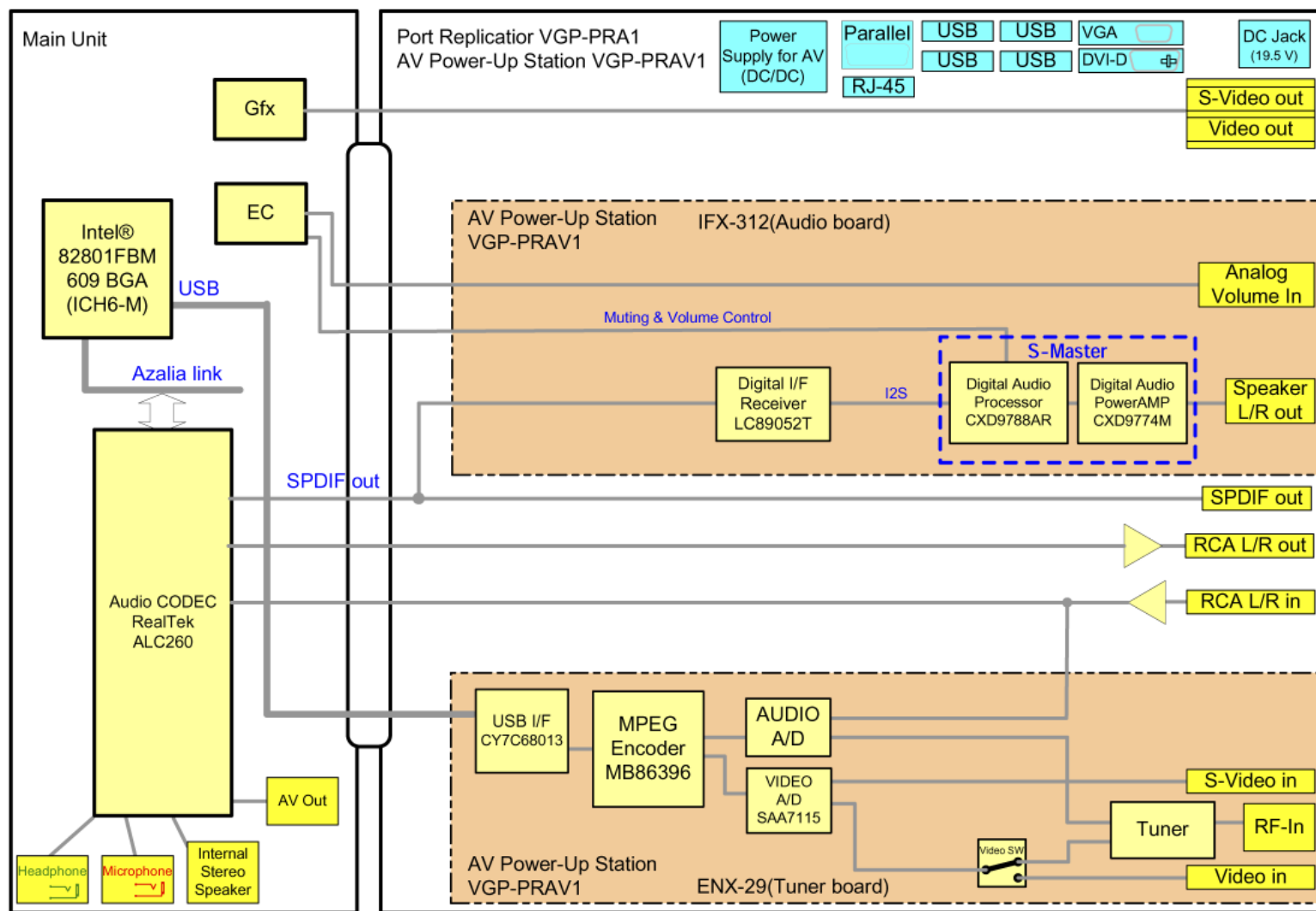
2-1. VGN-A Series



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VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

2-2. Port Replicator (VGN-PRAV)



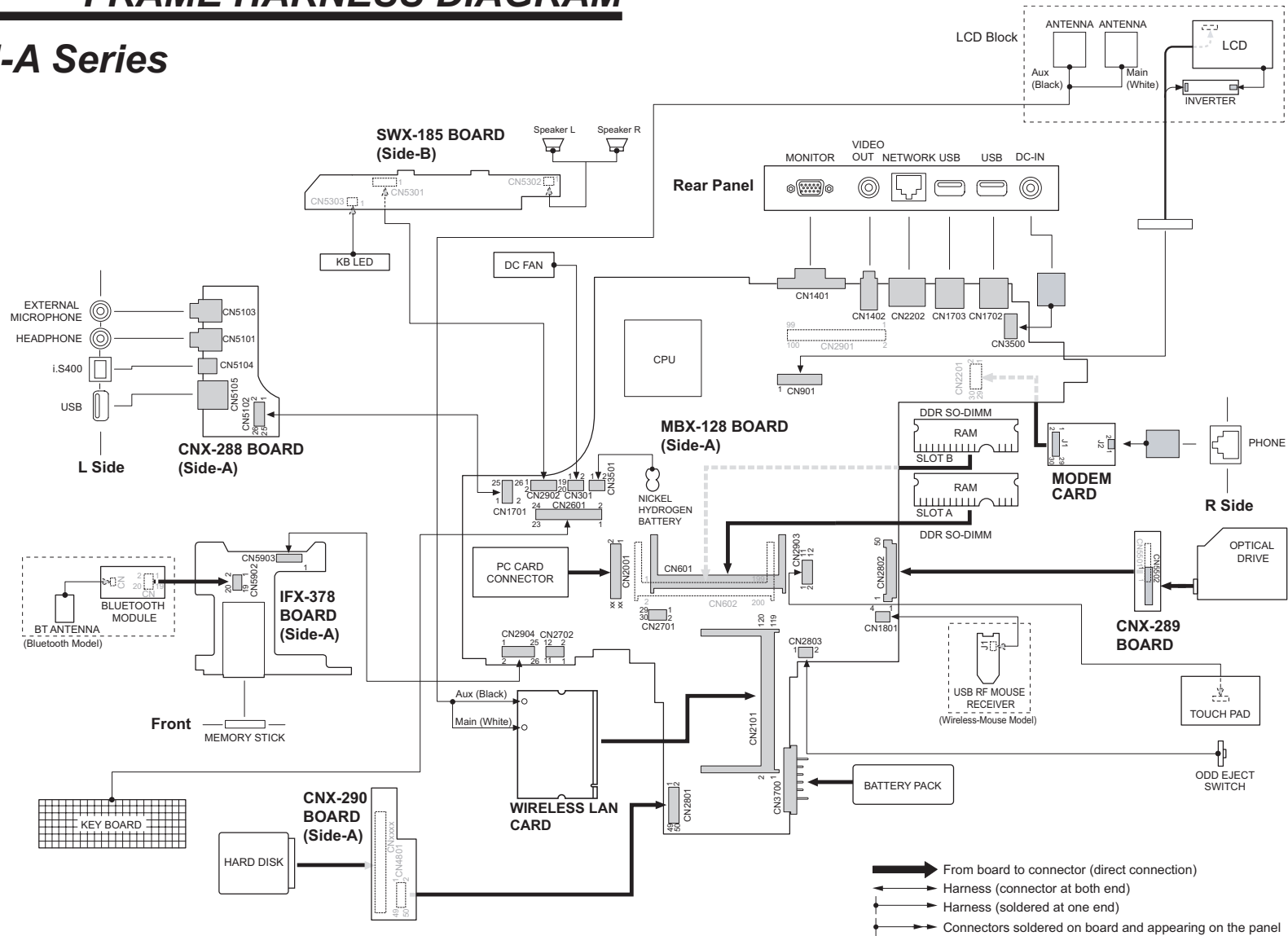
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VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

CHAPTER 3.

FRAME HARNESS DIAGRAM

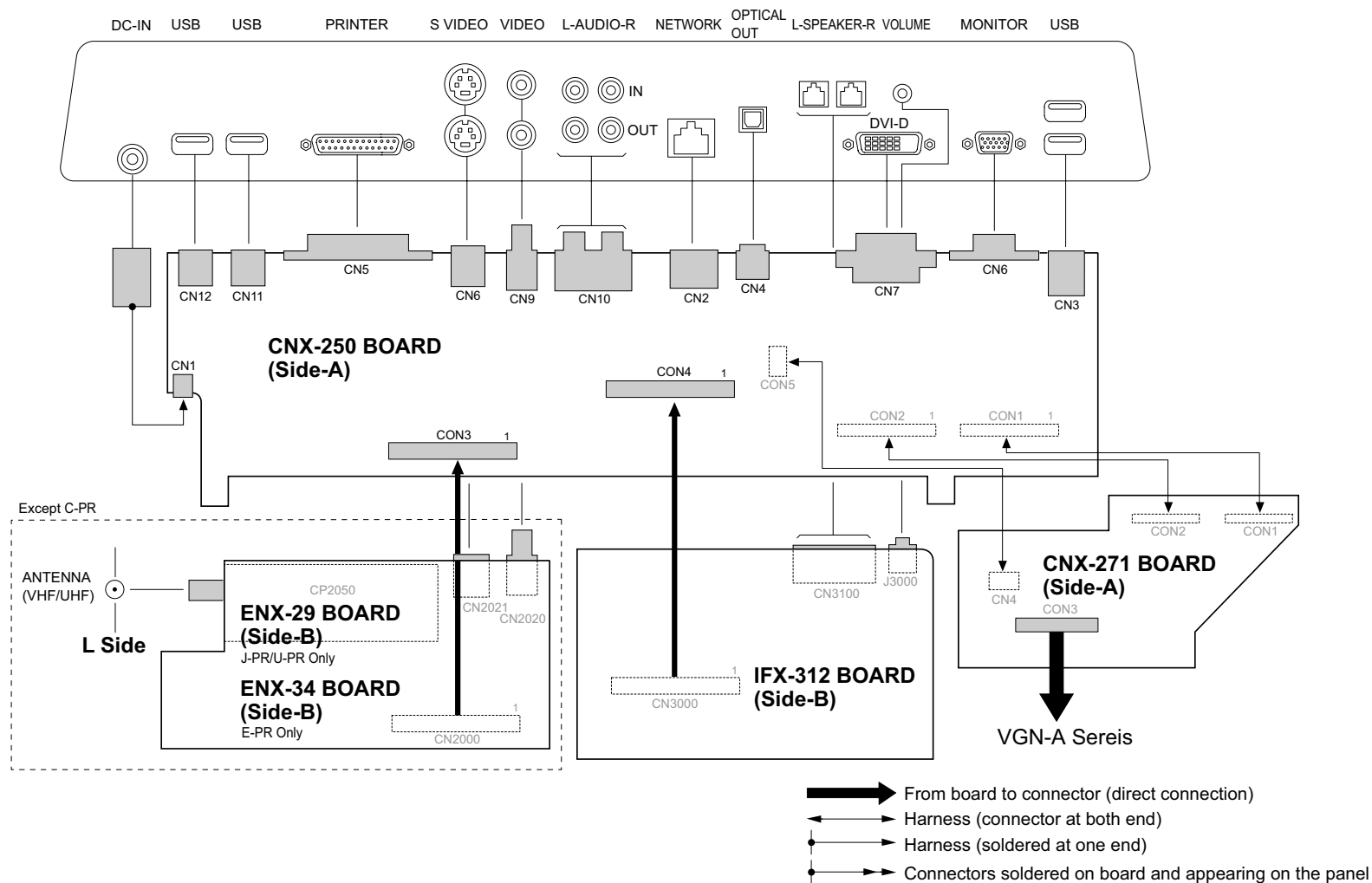
3-1. VGN-A Series



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3-2. Port Replicator (VGN-PRAV)



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VGN-A49CP/A49GP (AO)

CHAPTER 4.

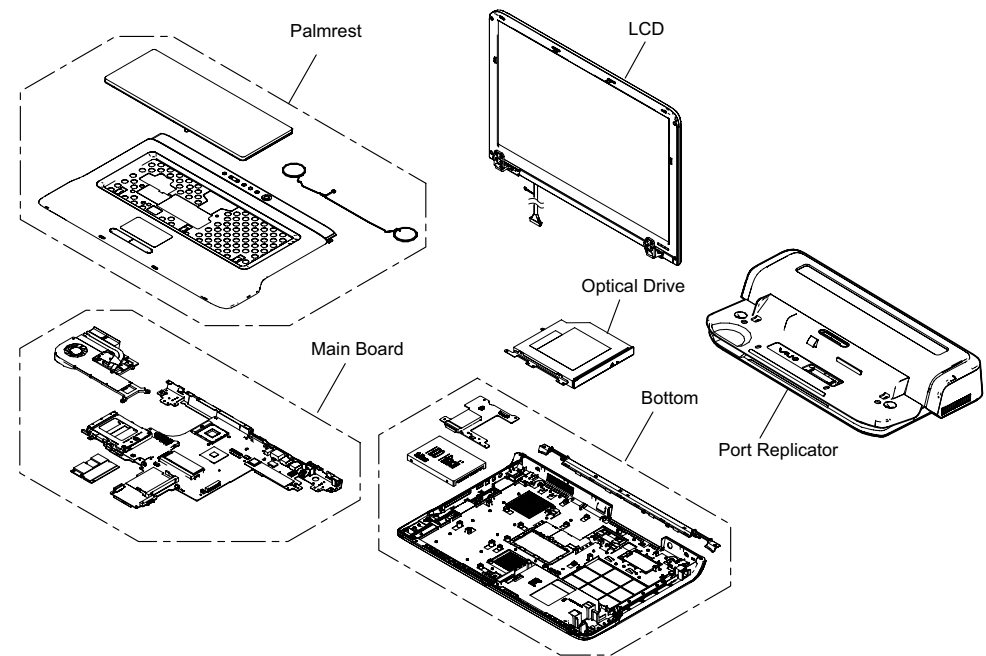
EXPLODED VIEWS AND PARTS LIST

• The parts list is compiled by blocks of a palmrest and bottom etc. The sections of the parts list are different depending on the model. Please refer to list of contents shown in the below.

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Palmrest	
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Main Board	
M-1. Main Board.....	4-4
Bottom	
B-1. Bottom.....	4-6
Optical Drive	
D-1. Optical Drive.....	4-8

• 分解図と部品表は、パームレスト、ボトムなどのブロックごとに分かれています。機種によって部品表のセクションが異なりますので、詳細は右下の一覧表を参照してください。

Section	Page
LCD	
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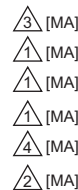


NOTE:

- Items marked “ * ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- When two or more parts are shown, use the part described first as the main part.
- The parts marked “ \$ ” are the High Value Modules (HVM).
- The parts marked “ # ” are the parts on which barcode label is attached.
- For the barcode label, refer to CHAPTER 5.
- The parts marked “ & ” are the “Customer Replacable Parts (CRP)” that can be replaced by Field Customer Support. Especially the parts with the <&> mark require the special attention to use them. Here fore, check first whether the desired part is one of the targetted parts of the Customer Replacable Parts(CRP), or the non-targetted parts by referring to the exploded view.
- Regarding the boards of this model, the discrete parts on the boards cannot be replaced. However, Some connectors can be replaced.
- The model that is accompanied by asterisk (*) is the CTO model.

【使用上の注意】

- * 印の部品は常備在庫しておりません。
- 図面番号のない部品は供給しません。
- 併記部品の場合、上部記載部品をメイン部品として使用してください。
- 部品名称の前に \$ 印のついた部品は、High Value Module (HVM)です。
- 商品名称の前に# 印のついた部品は、バーコードラベル貼付部品です。
- バーコードラベルについてはCHAPTER5を参照してください。
- 部品名称の前に& 印のついた部品は、お客様窓口などでも交換可能なCustomer Replacable Parts (CRP)です。
- 特に<&>印のついた部品は、使い分けが必要な部品ですので、分解図でCustomer Replacable Parts 対象部品か、対象外部部品かを必ず御確認ください。
- 本モデルの基板については、基板上の各部品の修理は行うことができません。ただし、一部のコネクタについては、修理可能です。
- 機種名に(*)がつくのはCTOモデルです。



		Palmrest	Main Board	Bottom	Optical Drive	LCD	Accessory	Port Replicator
J	A63	P-1	M-1	B-1	D-1	L-2	A-1	A-2 (J-PR)
	A73PS*	P-1	M-1	B-1	D-1	L-1, L-2	A-1	A-2 (J-PR)
	A73S*	P-1	M-1	B-1	D-1	L-1, L-2	A-1	A-2 (J-PR)
AM	A790	P-1	M-1	B-1	D-1	L-1	A-1	A-2 (U-PR)
EU	A417M	P-1	M-1	B-1	D-1	L-2	A-1	A-2 (E-PR)
	A417S	P-1	M-1	B-1	D-1	L-2	A-1	A-2 (E-PR)
	A497XP	P-1	M-1	B-1	D-1	L-1	A-1	A-2 (E-PR)
AO	A49CP	P-1	M-1	B-1	D-1	L-1	A-1	A-2 (C-PR)
	A49GP	P-1	M-1	B-1	D-1	L-1	A-1	A-2 (C-PR)

* : CTO model

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

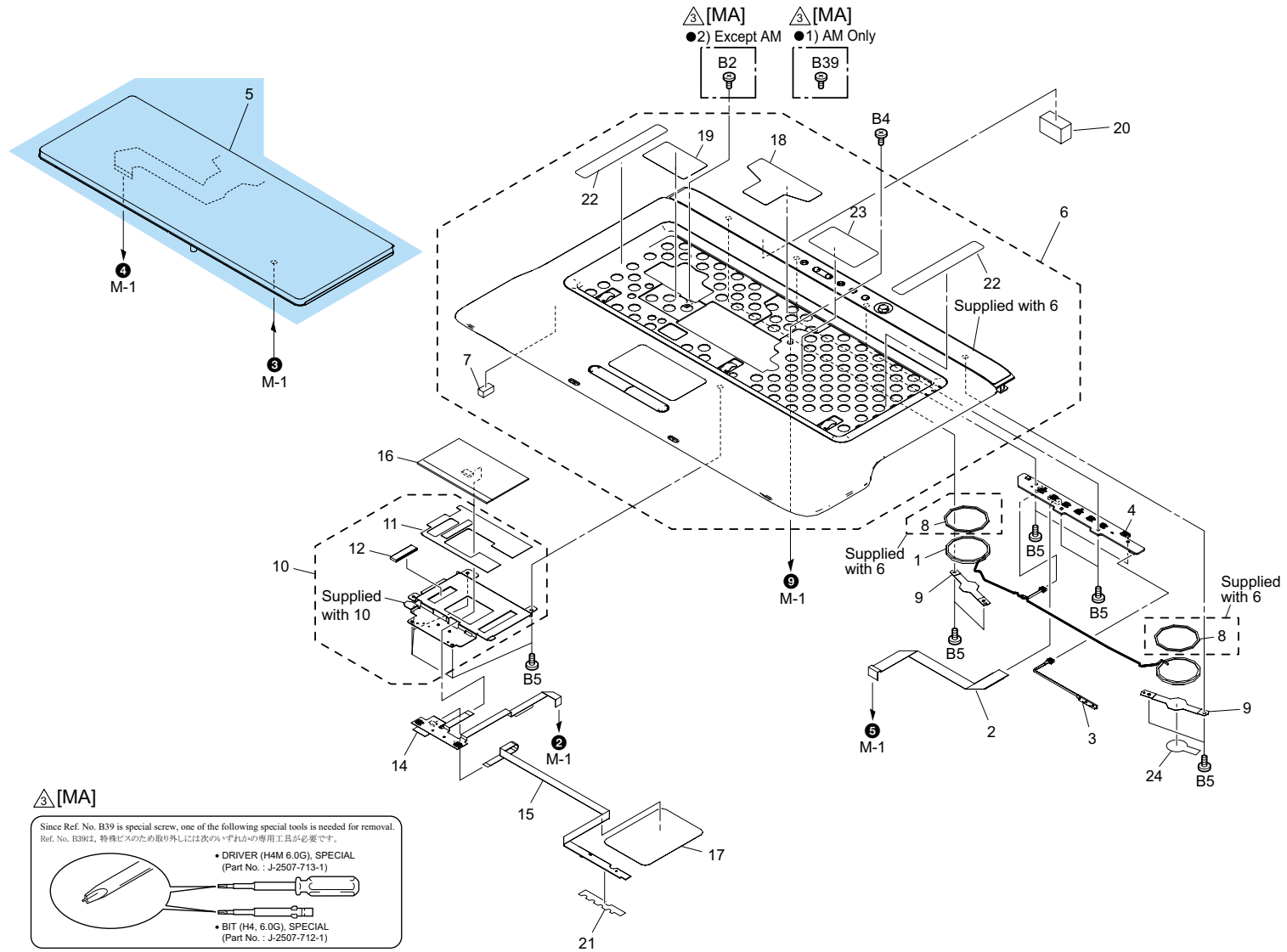
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

△ 印の部品、または △ 印付きの点線で囲まれた部品は、安全性を維持するために重要な部品です。従って交換時は、必ず指定の部品を使用してください。

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VGN-A63/A73PS/A73S (J)
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P-1. Palmrest



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VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

P-1. Palmrest

Ref. No.	Part No.	Description
1	A-1067-956-A	SPEAKER (36MM)
2	A-1058-413-A	CABLE(20P), FLEXIBLE FLAT
3	A-1058-417-A	CABLE, KB LED
4	A-1118-774-A	COMPLETE PWB SWX-185
6	X-4626-655-2	SE1P PALMREST ASSY
7	4-682-423-01	SE1 SPONGE BT
8	2-159-644-01	SE1P SHEET SPEAKER RING
9	4-682-556-01	SE1P SPEAKER BRACKET
10	X-4626-657-1	SE1P TP BKT ASSY
11	4-682-560-01	TOUCHPAD SHEET
12	2-103-688-01	SE1P TOUCHPAD GASKET
14	1-866-586-11	PWB(10P),FLEXIBLE PRINT
15	A-1058-428-A	PWB(10P),FLEXIBLE PRINT
16	1-796-911-12	WIDE TOUCH PAD
17	2-103-691-01	SE1P BATT MASK MYLAR A
18	2-103-689-01	SE1P KEYBOARD BRACKET MYLAR A
19	2-103-690-01	SE1P KEYBOARD BRACKET MYLAR B
20	2-103-692-01	SE1P PALMREST GASKET
21	2-159-642-01	SE1P LED PORON
22	2-159-643-01	SE1P KEYBOARD SUPPORT MYLAR
23	2-159-977-01	SE1P KEYBOARD SUPPORT MYLAR B
24	2-548-305-01	E1 MYLAR SPEAKER BKT
B2	4-672-836-21	SCREW, M2 SPECIAL HEAD,EG GRIP
B4	2-048-596-02	SCREW, +B EG GRIP
B5	4-672-836-11	SCREW, M2 SPECIAL HEAD,EG GRIP

			J	AM	EU	AO					
			A63	A73PS*	A73S*	A790	A417M	A417S	A497XP	A49CP	A49GP
Ref.No Part No.			Description								
	5	1-478-650-11	&	KEYBOARD UNIT (JP)							
△	[MA]	1-478-650-21	&	KEYBOARD UNIT (US)			●				●
△	[MA]	1-478-640-11	&	KEYBOARD UNIT (GB)				●			
△	[MA]	1-478-640-21	&	KEYBOARD UNIT (DE)				●		●	
△	[MA]	1-478-640-31	&	KEYBOARD UNIT (CH)				●			
△	[MA]	1-478-640-41	&	KEYBOARD UNIT (FR)				●			
△	[MA]	1-478-640-51	&	KEYBOARD UNIT (IT)				●		●	
△	[MA]	1-478-640-61	&	KEYBOARD UNIT (ES)				●		●	
△	[MA]	1-478-640-71	&	KEYBOARD UNIT (SE)						●	
△	[MA]	1-478-640-81	&	KEYBOARD UNIT (PT)							
△	[MA]	B39 4-681-432-11		SCREW (M2) (SPIN)			●				
							△	△	△	△	△

- This parts list contains two different types of parts.
The first type is the parts that are common to all models.
The other type is the parts that are different depending on each model.
- This model that is accompanied by asterisk (*) is the CTO model.

- この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。
- 機種名に（*）がつくのはCTOモデルです。

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VGN-A63/A73PS/A73S (J)
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4-4

M-1.Main Board

Ref. No.	Part No.	Description
301	A-1058-426-A	CABLE, RJ11
304	A-1118-773-A	COMPLETE PWB MBX-128
305	4-682-945-01	SE1 2ND FAN MYLAR
306	X-2022-962-2	SE1 DC JACK HOLDER ASSY
307	4-682-478-01	SE1 ODD INSULATOR
308	2-583-809-01	RH MYLAR CARD BUS
309	4-682-475-01	SE1 SHEET MINI-PCI
310	4-682-569-01	SE1P CARD BOX BRACKET
311	X-4626-661-1	SE1P IO BRACKET ASSY
312	1-756-038-11	BATTERY,NICKEL HYDROGEN
313	4-642-711-11	SHEET (BATTERY), ADHESIVE
314	4-668-307-01	SHEET DIMM
315	A-1058-414-A	HARNESS,DC
316	1-819-065-11	CONNECTOR,PC CARD
317	A-1094-416-A	RH FIN THERMAL MODULE
318	A-1098-807-A	RH THERMAL MODULE
319	2-103-694-01	SE1P VGA THERMAL PAD
321	1-417-539-11	CARD,MODEM
322	4-682-465-02	SE1 MYLAR DOOR DIMM
323	2-103-444-01	SE1 EMI SPRING FIN
324	X-2022-963-1	SE1 EMI SPRING BATT-1 ASSY
326	4-683-063-01	RJ11 BKT
327	2-176-527-01	2ND FAN MYLAR-1
328	2-103-452-01	CPU THERMAL PAD
329	2-103-693-01	SE1P THERMAL MODULE GASKET
331	2-583-810-01	RH MYLAR BOARD MAIN SHIELD
332	2-592-419-01	RH MYLAR CHIP
B1	4-672-836-01	SCREW, M2 SPECIAL HEAD,EG GRIP
B3	4-672-834-41	SCREW, +B EG GRIP
B4	2-048-596-02	SCREW, +B EG GRIP
B5	4-672-836-11	SCREW, M2 SPECIAL HEAD,EG GRIP
B6	4-656-703-01	SCREW, M2
B13	2-103-443-01	SE1 HEX2-5+7
B14	4-635-966-01	SCREW(HEX)
B40	4-672-834-01	SCREW, +B EG GRIP

Ref.No.	Part No.	Description	A63	A73PS*	A73S*	A790	A417M	A417S	A497XP	A49CP	A49GP
302	6-707-261-01	IC RH80536GE0462MSL7SL(PM-DO2.13)	●	●	●	●	●	●	●	●	●
6-707-260-01	IC RH80536GE0412MSL7SM(PM-DO 2.0)	●	●	●	●	●	●	●	●	●	●
6-707-259-01	IC RH80536GE0362MSL7S9(PM-DO1.86)	●	●	●	●	●	●	●	●	●	●
6-707-258-01	IC RH80536GE0302MSL7SA(PM-DO1.73)	●	●	●	●	●	●	●	●	●	●
6-707-268-01	IC RH80536NC0211MSL86J(CEL-DO1.5)	●	●	●	●	●	●	●	●	●	●
303	6-707-350-01	IC HYS64T64020HDL-5-A(512MB)	●	●	●	●	●	●	●	●	●
6-707-351-01	IC HYS64T128021HDL-5-A(128MB)	●	●	●	●	●	●	●	●	●	●
6-707-352-01	IC HYS64T32000HDL-5-A(256MB)	●	●	●	●	●	●	●	●	●	●
320	1-761-864-61	# WIRELESS LAN CARD	●	●	●	●	●	●	●	●	●
1-788-095-51	# WIRELESS LAN CARD	●	●	●	●	●	●	●	●	●	●
1-788-095-51	# WIRELESS LAN CARD	●	●	●	●	●	●	●	●	●	●
1-761-864-71	# WIRELESS LAN CARD	●	●	●	●	●	●	●	●	●	●

- 1) The DIP switch setting, refer to page 4-17 "DIP switch".
- 2) The CPU THERMAL PAD (Ref.328) cannot be re-used if it is removed once.
When the FIN THERMAL MODULE (Ref.317) is removed, be sure to replace it with the new one.
- 3) When change the CPU (Ref.302), refer to "5-2 Replacing the CPU "in CHAPTER 5.

- 1) DIP スイッチの設定は、4-17 頁「DIP Switch」を参照してください。
- 2) CPU THERMAL PAD (Ref.328) は、一度取り外したものを再利用することはできません。
FIN THERMAL MODULE (Ref.317) をはずした場合には、必ず新しいものを交換してください。
- 3) CPU (Ref.302) を交換する際は、CHAPTER 5、「5-2 CPU の交換」を参照してください。

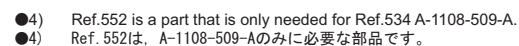
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VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

●4) Ref.552 is a part that is only needed for Ref.534 A-1108-509-A.
●4) Ref. 552は、A-1108-509-Aのみに必要な部品です。



B-1. Bottom

Ref. No.	Part No.	Description
7	4-682-423-01	SE1 SPONGE BT
501	A-1058-406-A	CABLE(26P), FLEXIBLE FLAT
502	A-1058-416-A	CABLE, ODD EJECT
504	A-1118-776-A	COMPLETE PWB CNX-290
505	A-1118-777-A	COMPLETE PWB IFX-378
506	X-4626-658-4	SE1P BOTTOM ASSEY
507	4-682-454-01	SE1 15S BATT BUTTON
508	4-682-455-01	SE1 15S BATT BUTTON3
509	4-682-460-01	SE1 15S DOOR DOCK
510	4-682-457-01	SE1 BATT LOCK
511	4-683-040-01	SE1 DOCKING HOOK MYLAR
512	4-682-443-01	SE1 FOOT FRONT
513	4-682-444-01	SE1 FOOT FRONT CENTER
514	4-682-445-01	SE1 FOOT REAR
515	4-682-456-01	SE1 LATCH BATT
516	4-682-459-01	SE1 LATCH BATT SPRING
517	2-594-584-01	RH EMI SPRING BATT
518	4-682-458-02	SE1 LATCH LEVER
519	4-682-476-01	SE1 SW BRACKET
520	2-103-697-01	SE1P HDD MYLAR
521	2-103-698-01	SE1P INSULATION AUDIO BD
522	4-682-447-01	SE1 LCD LATCH DETECTOR
523	X-4626-721-1	SE1 DOOR I/O ASSY
524	X-4626-653-1	SE1 DIMM DOOR ASSY
525	X-4626-720-1	SE1 BATTERY DOOR ASSY
526	2-025-132-01	LABEL BATTERY
527	4-682-466-01	SE1 15S DOOR MODEM
535	4-682-580-01	SE1P BRACKET HDD-L
536	4-682-581-01	SE1P BRACKET HDD-R
538	4-682-568-01	SE1P DISPLAY BASE
541	2-103-696-01	SE1P SHEET BLUETOOTH ANT
542	2-103-695-01	SE1P BATT MASK MYLAR B
543	A-1118-775-A	COMPLETE PWB CNX-288
544	1-865-674-11	PWB(26P),FLEXIBLE PRINT
545	4-682-462-01	SE1 15S MODEM R
547	2-067-843-01	EMI SPRING HDD
550	2-159-787-01	SE1 SPONGE LENS
551	2-583-811-01	RH MYLAR SATA HDD BOARD
B1	4-672-836-01	SCREW, M2 SPECIAL HEAD,EG GRIP
B2	4-672-836-21	SCREW, M2 SPECIAL HEAD,EG GRIP
B3	4-672-834-41	SCREW, +B EG GRIP
B5	4-672-836-11	SCREW, M2 SPECIAL HEAD,EG GRIP
B9	2-159-307-01	SCREW, M2.6+B EG GRIP
B11	4-672-839-01	HEAD,M3 FLAT
B12	4-672-840-01	SCREW, M2 TAPPING,FLAT HEAD
B18	4-672-834-21	SCREW, +B EG GRIP
B23	3-254-029-11	SCREW
B24	4-672-834-71	SCREW,+B EG GRIP

Ref.No.	Part No.	Description	A63	J	A73PS*	AM	EU	AO
503	A-1058-408-A	CABLE,WIRELESS MOUSE	●	●	●	●	●	●
528	4-682-449-01	SE1 LENS PANEL CTO(W/WL,W/BT)	●	●	●	●	●	●
529	4-682-449-11	SE1 LENS PANEL CTO(W/WL,No-BT)	●	●	●	●	●	●
529	4-683-065-01	SE1P BUTTON COVER RF(W/W-Mouse)	●	●	●	●	●	●
530	2-048-475-01	SE1P PANEL RF CTO(No-W-Mouse)	●	●	●	●	●	●
531	4-682-582-01	SE1P BUTTON RF(W/W-Mouse)	●	●	●	●	●	●
532	4-682-583-01	SE1P SPRING RF KNOB(W/W-Mouse)	●	●	●	●	●	●
533	1-796-949-11	USB RF MOUSE RECEIVER	●	●	●	●	●	●
534	A-1105-612-A	HDD (100GB,HTSS41010G9SA00)	●	●	●	●	●	●
	A-1105-613-A	HDD(80GB,HTSS41090)	●	●	●	●	●	●
	A-1108-509-A	HDD(MH12060-80GB)	●	●	●	●	●	●
	A-1105-615-A	HDD(40GB,HTSS41060)	●	●	●	●	●	●
539	1-805-554-21	BLUETOOTH MODULE	●	●	●	●	●	●
540	A-1058-407-A	CABLE,BT ANTENNA	●	●	●	●	●	●
548	4-682-446-01	SE1 SWICH W LAN(W/WL)	●	●	●	●	●	●
552	2-583-812-01	AL FOIL SATA HDD	●	●	●	●	●	●

- △ [MA] ●1) Ref.539 and Ref.540 are parts for the models equipped with Bluetooth.
 ●2) Ref.503, 529, 531, 532, and 533 are parts for the models with a wireless mouse.
 ●3) Ref.530 is a part for the models without a wireless mouse.
 ●4) Ref.552 is a part that is only needed for Ref.534 A-1108-509-A.

- △ [MA] ●1) Ref. 539 と Ref. 540 は、BULETOOTH 搭載モデル用の部品です。
 ●2) Ref. 503, 529, 531, 532, 533 は、Wireless-Mouse 付モデル用の部品です。
 ●3) Ref. 530 は、Wireless-Mouse が付かないモデル用の部品です。
 ●4) Ref. 552 は、Ref. 534 A-1108-509-Aのみに必要な部品です。

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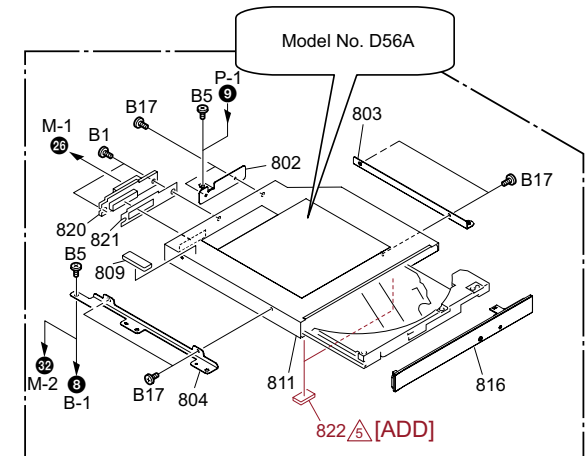
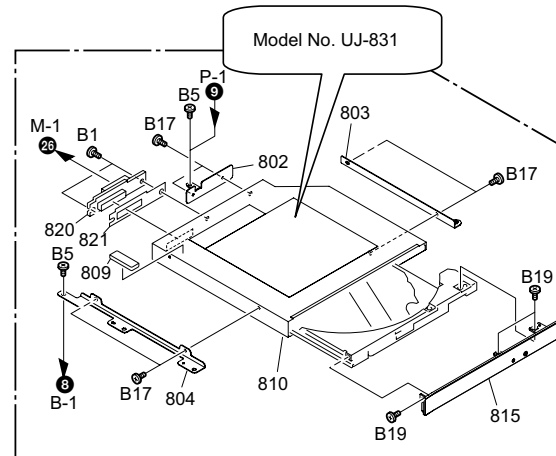
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VGN-A63/A73PS/A73S (J)
 VGN-A790 (AM)
 VGN-A417M/A417S/A497XP (EU)
 VGN-A49CP/A49GP (AO)

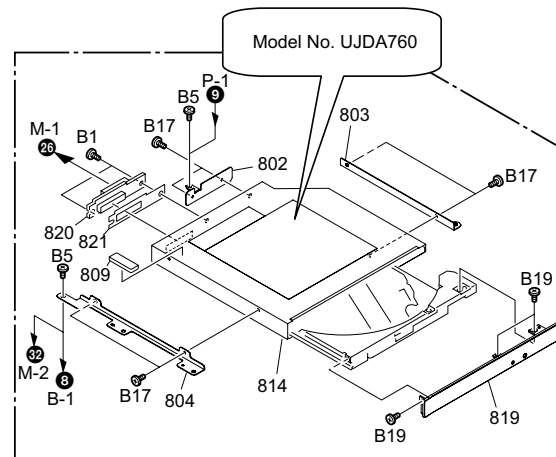
D-1. Optical Drive

How to Use Parts Differently.

This series of product uses the five different types of the optical drive.
When replacing the optical drive, check the indication label of it, and use the same type of the optical drive.
Each optical drive has different types of the bezel.
For the how to identify the type of drive and the combination of the Bezel, refer to the details below.



[MA]



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VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

D-1. Optical Drive

Ref. No.	Part No.	Description
802	4-682-408-01	SE1 CD BRACKET BACK
803	4-682-406-01	SE1 CD BRACKET L
804	4-682-407-01	SE1 CD BRACKET R
809	2-102-385-01	SE1 GASKET ODD
820	A-1118-778-A	\$ COMPLETE PWB CNX-289
821	4-682-950-01	SE1 ODD BOARD MYLAR
B1	4-672-836-01	SCREW, M2 SPECIAL HEAD,EG GRIP
B5	4-672-836-11	SCREW, M2 SPECIAL HEAD
B17	4-671-538-01	SCREW(M2x4), SPECIAL HEAD

				J	AM	EU	AO					
				A63	A73PS*	A73S*	A790	A417M	A417S	A497XP	A49CP	A49GP
Ref.No Part No.				Description								
△ [MA]	810	1-797-066-11	\$ #	DVD+-RW(UJ-831BSX2-A)								
	811	8-457-664-10	\$ #	DRIVE, DVD DW-D56A-V3								
	814	1-797-053-21	\$ #	COMBO DRIVE(UJDA760)								
△ [MA]	815	X-2024-227-1		SE2 PCC UJ830B DVD+-RW								
	816	X-2024-036-1		SE2 CD DW-D56A BEZEL ASSY								
	819	X-2024-057-1		SE2 UJDA-760 BEZEL ASSY								
△[ADD]	822	2-637-871-01		RH GASKET ODD								
	B19	4-645-177-01		SCREW(M1.7x3.5)								
				△[MA]	△[MA]	△[MA]	△[MA]	△[MA]	△[MA]	△[MA]	△[MA]	△[MA]

△ [MA] △ [MA] △ [ADD] △ [MA] △ [MA] △ [MA] △ [MA] △ [MA]

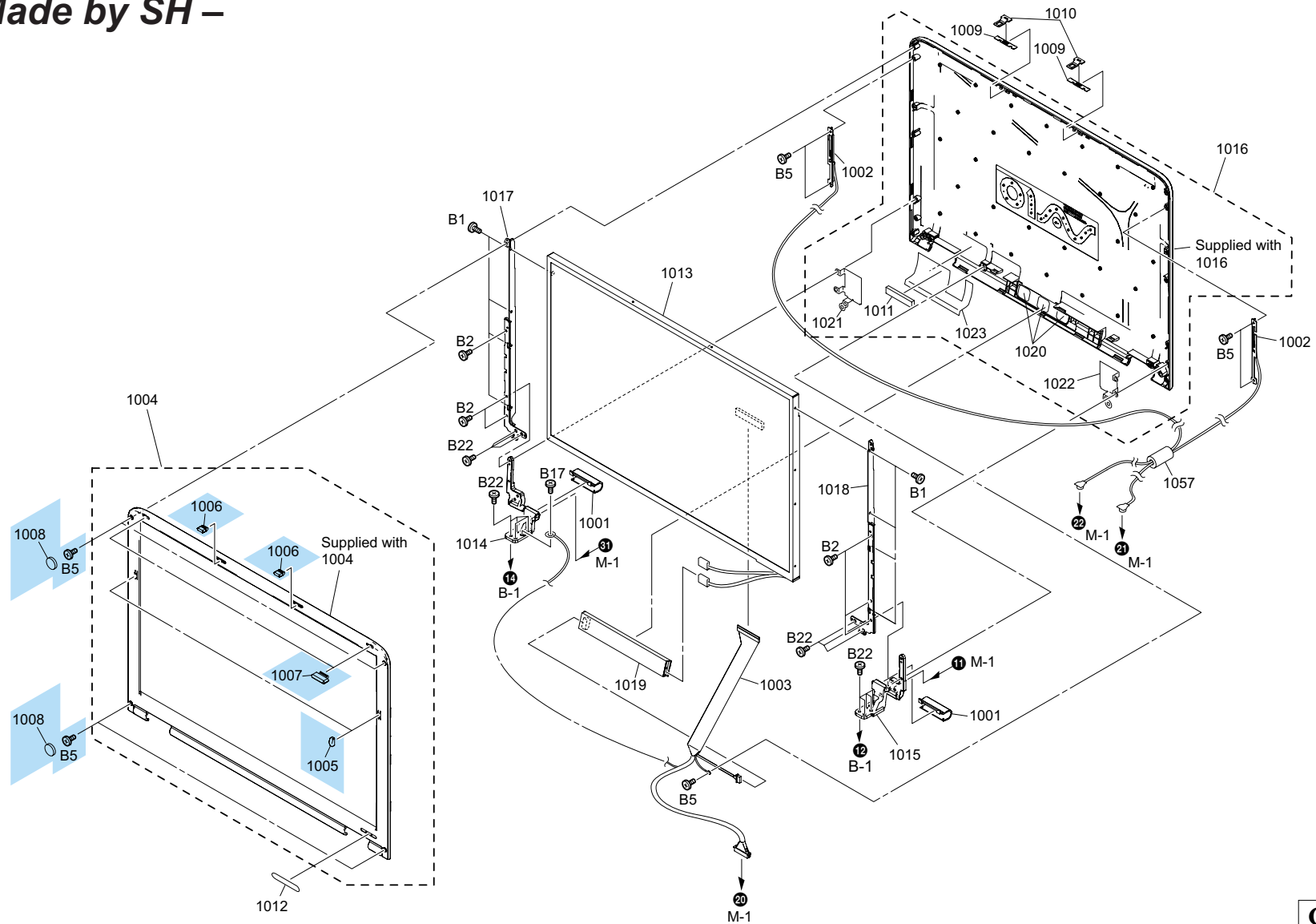
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VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

***L-1. LCD 17-inch WUXGA (Clear Black LCD)
– Made by SH –***



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VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

L-1. LCD 17-inch WUXGA (Clear Black LCD) – Made by SH –

Ref. No.	Part No.	Description
1001	4-682-380-01	SE1 COVER HINGE
1003	A-8119-991-A	HARNESS, LCD FOR 17WUXGA
1004	X-4626-664-1	SE1P BEZEL DISPLAY 17 ASM
1005	4-682-397-01	SE1 CUSHION LCD SIDE
1006	4-682-396-01	SE1 CUSHION LATCH
1007	4-682-395-01	SE1 CUSHION LCD
1008	4-682-398-01	SE1 COVER SCREW
1009	4-682-388-01	SE1 HOOK PLATE LCD 2
1010	4-682-390-02	HOOK LCD 15
1011	2-024-790-01	SE1 GASKET AU LVDS DISPLAY
1013	A-1062-138-A	LCD_UNIT_(2CFL-17WUXGA)(S)
1014	4-682-578-01	SE1P HINGE L AMS
1015	4-682-577-01	SE1P HINGE R AMS
1016	X-4626-663-1	SE1P HOUSING DISPLAY 17 2 ASM
1017	4-682-576-01	SE1P LCD BRACKET L
1018	4-682-575-01	SE1P LCD BRACKET R
1019	1-478-629-22	INVERTER UNIT(2CFL-17W)
1020	2-159-645-01	SE1P INVERTER ADHESIVE
1021	2-190-716-01	SE1P HOUSING AL L
1022	2-190-717-01	SE1P HOUSING AL R
1023	2-190-718-01	SE1P HOUSING AL BTM
1057	2-583-807-01	RH FERRITE CORE BRH8X12X4
B1	4-672-836-01	SCREW, M2 SPECIAL HEAD,EG GRIP
B2	4-672-836-21	SCREW, M2 SPECIAL HEAD,EG GRIP
B5	4-672-836-11	SCREW, M2 SPECIAL HEAD,EG GRIP
B17	4-671-538-01	SCREW(M2x4),SPECIAL HEAD
B22	2-108-227-01	SPECIAL FLAT HEAD

Ref.No.	Part No.	Description	J	AM	EU	AO
1002	A-1058-425-A	CABLE, WL ANTENNA	●	●	●	●
1012	2-597-442-01	LABEL ID (JCTO)	●	●	●	●
	2-597-442-11	LABEL ID (JCTO)	●	●	●	●
	2-596-689-01	LABEL ID (U)	●	●	●	●
	2-596-692-01	LABEL ID (E)	●	●	●	●
	2-596-694-11	LABEL ID (I)	●	●	●	●
	2-596-694-01	LABEL ID (C)	●	●	●	●

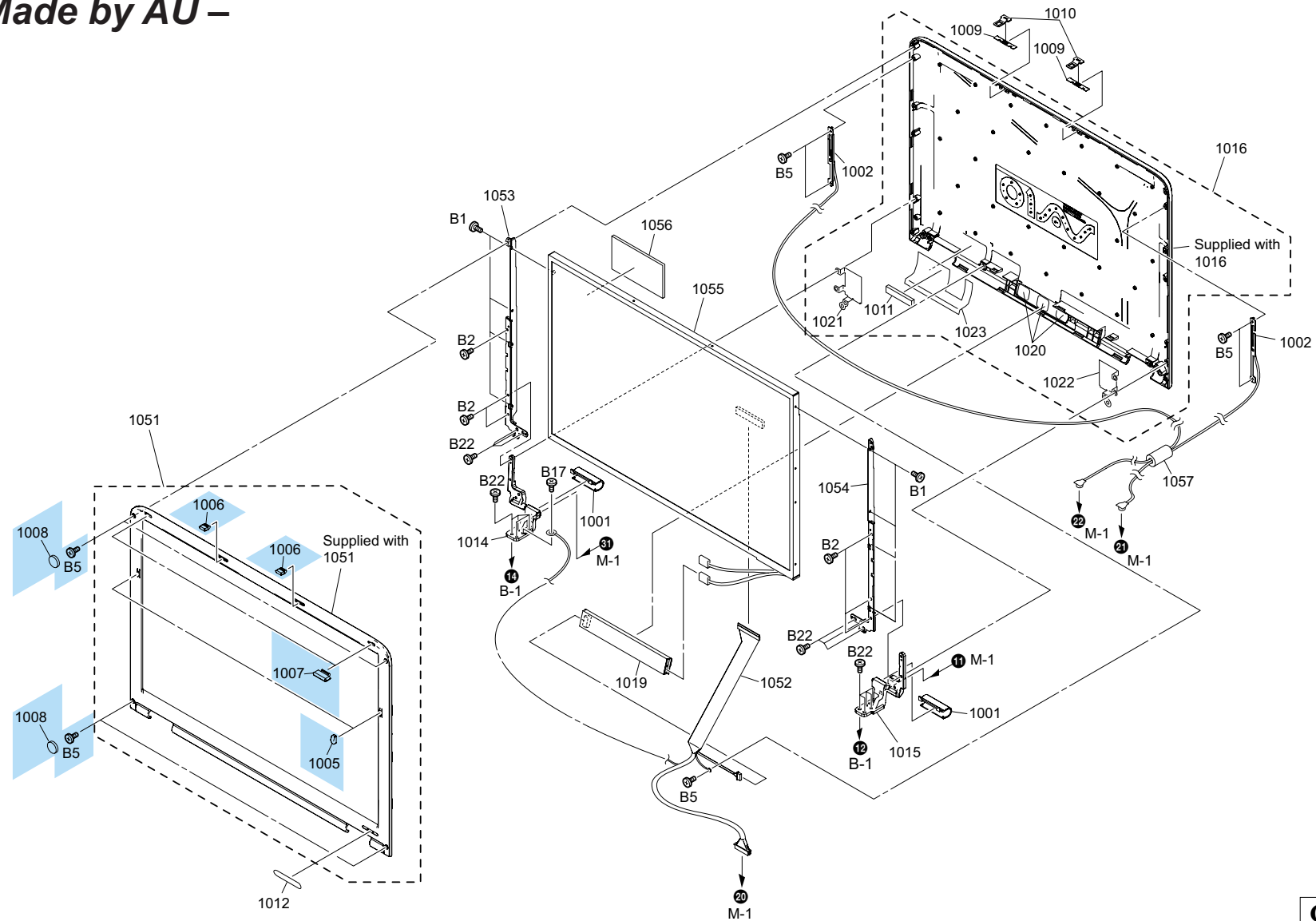
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VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

***L-2. LCD 17-inch WXGA+ (Clear Black LCD)
– Made by AU –***



Confidential

VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

L-2. LCD 17-inch WXGA+ (Clear Black LCD) – Made by AU –

Ref. No.	Part No.	Description
1001	4-682-380-01	SE1 COVER HINGE
1005	4-682-397-01	& SE1 CUSHION LCD SIDE
1006	4-682-396-01	& SE1 CUSHION LATCH
1007	4-682-395-01	& SE1 CUSHION LCD
1008	4-682-398-01	& SE1 COVER SCREW
1009	4-682-388-01	SE1 HOOK PLATE LCD 2
1010	4-682-390-02	HOOK LCD 15
1011	2-024-790-01	SE1 GASKET AU LVDS DISPLAY
1014	4-682-578-01	SE1P HINGE L AMS
1015	4-682-577-01	SE1P HINGE R AMS
1016	X-4626-663-1	SE1P HOUSING DISPLAY 17 2 ASM
1019	1-478-629-32	INVERTER UNIT(2CFL-17W)
1020	2-159-645-01	SE1P INVERTER ADHESIVE
1021	2-190-716-01	SE1P HOUSING AL L
1022	2-190-717-01	SE1P HOUSING AL R
1023	2-190-718-01	SE1P HOUSING AL BTM
1051	X-2024-399-1	SE2P BEZEL DISPLAY 17 AU
1052	A-1074-808-A	HARNESS,LCD 17 WXGA
1053	2-176-382-01	SE2P LCD BRACKET L
1054	2-176-383-01	SE2P LCD BRACKET R
1055	A-1087-141-A	\$ # "LCD_UNIT_(17WXGA)_(S)
1056	2-342-994-01	SHIELD TAPE(AU17)
1057	2-583-807-01	RH FERRITE CORE BRH8X12X4
B1	4-672-836-01	SCREW, M2 SPECIAL HEAD,EG GRIP
B2	4-672-836-21	SCREW, M2 SPECIAL HEAD,EG GRIP
B5	4-672-836-11	<&> SCREW, M2 SPECIAL HEAD,EG GRIP
B17	4-671-538-01	SCREW(M2x4),SPECIAL HEAD
B22	2-108-227-01	SPECIAL FLAT HEAD

			J		EU	
			A63	A73PS*	A73S*	A417M
Ref.No	Part No.	Description				
1002	A-1058-425-A	CABLE, WL ANTENNA	●	●	●	●
1012	2-596-686-01	LABEL ID (J)	●			
	2-597-442-01	LABEL ID (JCTO)		●		
	2-597-442-11	LABEL ID (JCTO)			●	
	2-596-682-11	LABEL ID (E)				●
	2-596-692-21	LABEL ID (E)				●

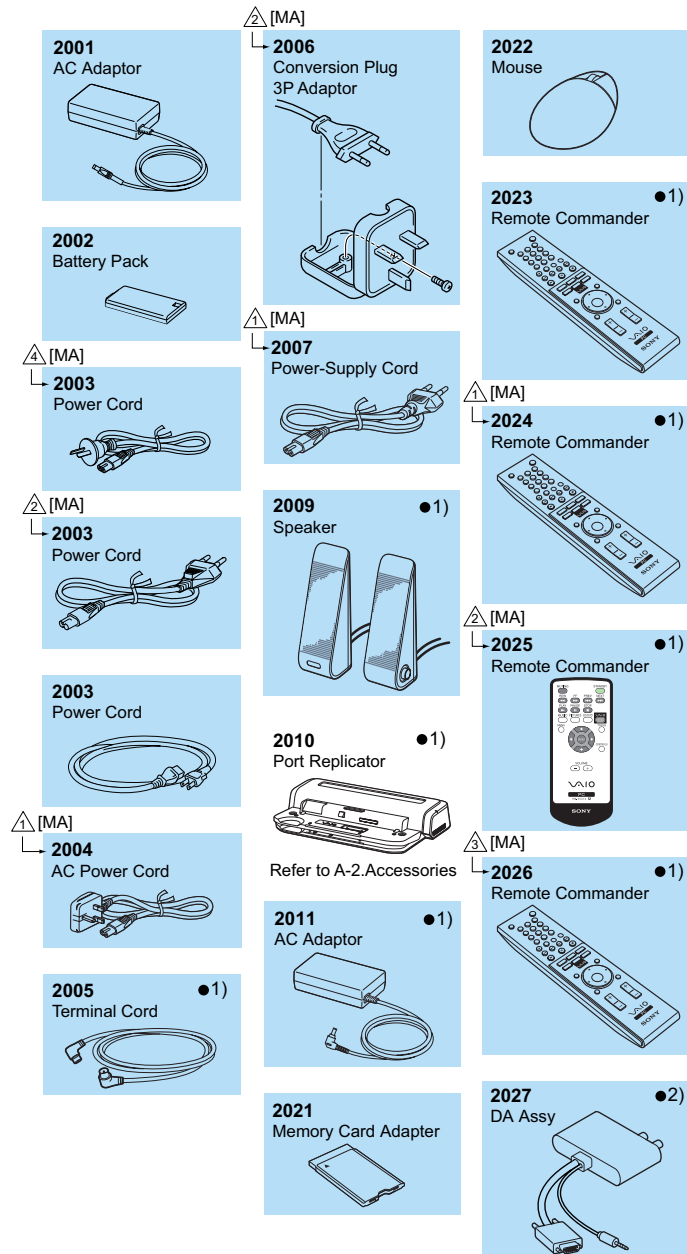
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VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

A-1. Accessories



Ref.No.	Part No.	Description	A63	A73PS*	A73S*	A790	A417M	A417S	A497XP	A49CP	A49GP
△ [MA]	△ 2001 1-479-114-23	\$ & ADAPTOR, AC	●	●							
	1-479-114-31	\$ & ADAPTOR, AC	●	●							
△ [MA]	△ 2011 1-478-037-34	\$ & ADAPTOR, AC	●	●	●	●				●	●
	1-478-037-41	\$ & ADAPTOR, AC	●	●							
△ [MA]	△ 2002 A-1062-155-A	\$ & BATTERY 9130PA SNT (J) (S)	●	●	●						
△ [MA]	△ 2002 A-1062-142-A	\$ & BATTERY 9130 (U)(S)	●	●		●					
△ [MA]	△ 2002 A-1062-143-A	\$ & BATTERY 9130 (E)(S)	●	●			●	●	●	●	●
△ [MA]	△ 2003 1-555-074-32	& CORD, POWER									●
△ [MA]	△ 2003 1-782-476-22	& CORD, POWER									●
△ [MA]	△ 2003 1-829-237-21	& CORD, POWER				●					
△ [MA]	△ 2003 1-827-160-21	& CORD, POWER	●	●	●						
△ [MA]	2004 1-823-935-51	& CORD, AC POWER(GB)					●	●			
	2005 1-829-239-11	& CORD, F TERMINAL WITH RF	●	●	●						
△ [MA]	2006 1-770-019-51	& ADAPTOR, CONVERSION PLUG 3P									●
△ [MA]	2007 1-827-481-21	& POWER-SUPPLY CORD							●	●	●
△ [MA]	2008 1-816-429-12	& PHONE PLUG (GB)						●	●	●	
	2009 A-1126-412-A	& ASSY SPEAKER FW WE	●	●	●	●				●	●
	2010 -	& PORT REPLICATOR	●	●	●	●				●	●
	2021 1-478-615-11	& MEMORY CARD ADAPTER	●	●	●					●	●
	2022 1-796-824-32	& MOUSE (SLV)	●	●	●	●	●	●	●		
	2023 1-478-688-11	& REMOTE COMMANDER (RM-VC10)	●	●	●						
△ [MA]	2024 1-478-969-12	& REMOTE COMMANDER (RM-VC10E)						●			
△ [MA]	2025 1-479-090-11	& REMOTE COMMANDER								●	●
△ [MA]	2026 1-479-183-11	& REMOTE COMMANDER (RM-VC10U)				●					
	2027 A-1112-204-A	& OVERALL DA ASSY, MAIN	●	●	●						
	- 2-629-499-01	& MANUAL (XP), INSTRUCTION	●	●	●						
△ [MA]	- 2-633-046-11	& WELCOME MAT, 3360(U) (C)				●					
△ [MA]	- 2-631-656-11	& TROUBLESHOOTING GUIDE									●
△ [MA]	- 2-631-656-31	& TROUBLESHOOTING GUIDE								●	
△ [MA]	- 2-629-974-11	& HW SPECS, 3360(E) A GB, NL, SE, PT, BE, CZ					●	●	●	●	
△ [MA]	- 2-629-974-61	& HW SPECS, 3360(E) A NL, BE						●	●	●	
△ [MA]	- 2-629-974-21	& HW SPECS, 3360(E) A DE, 4CH						●	●	●	
△ [MA]	- 2-629-974-31	& HW SPECS, 3360(E) A FR, 4CH, 1BE, BE						●	●	●	
△ [MA]	- 2-629-974-41	& HW SPECS, 3360(E) A IT, 4CH						●	●	●	
△ [MA]	- 2-629-974-81	& HW SPECS, 3360(E) A SE							●	●	
△ [MA]	- 2-629-974-91	& HW SPECS, 3360(E) A SE							●	●	
△ [MA]	- 2-629-974-71	& HW SPECS, 3360(E) A PT								●	●

△ [MA] △ [MA] △ [MA] △ [MA] △ [MA] △ [MA] △ [MA] △ [MA] △ [MA] △ [MA] △ [MA] △ [MA]

- △ [MA] △ [MA] △ [MA] ●1) The Ref.2005,2009,2010,2011,2023, 2024, 2025 and 2026 are included only in the models supplied with the Port Replicator.
●2) Ref.2027 is packed only with the models equipped with Pentium M. (Refer to 1-1.SPECIFICATION.)

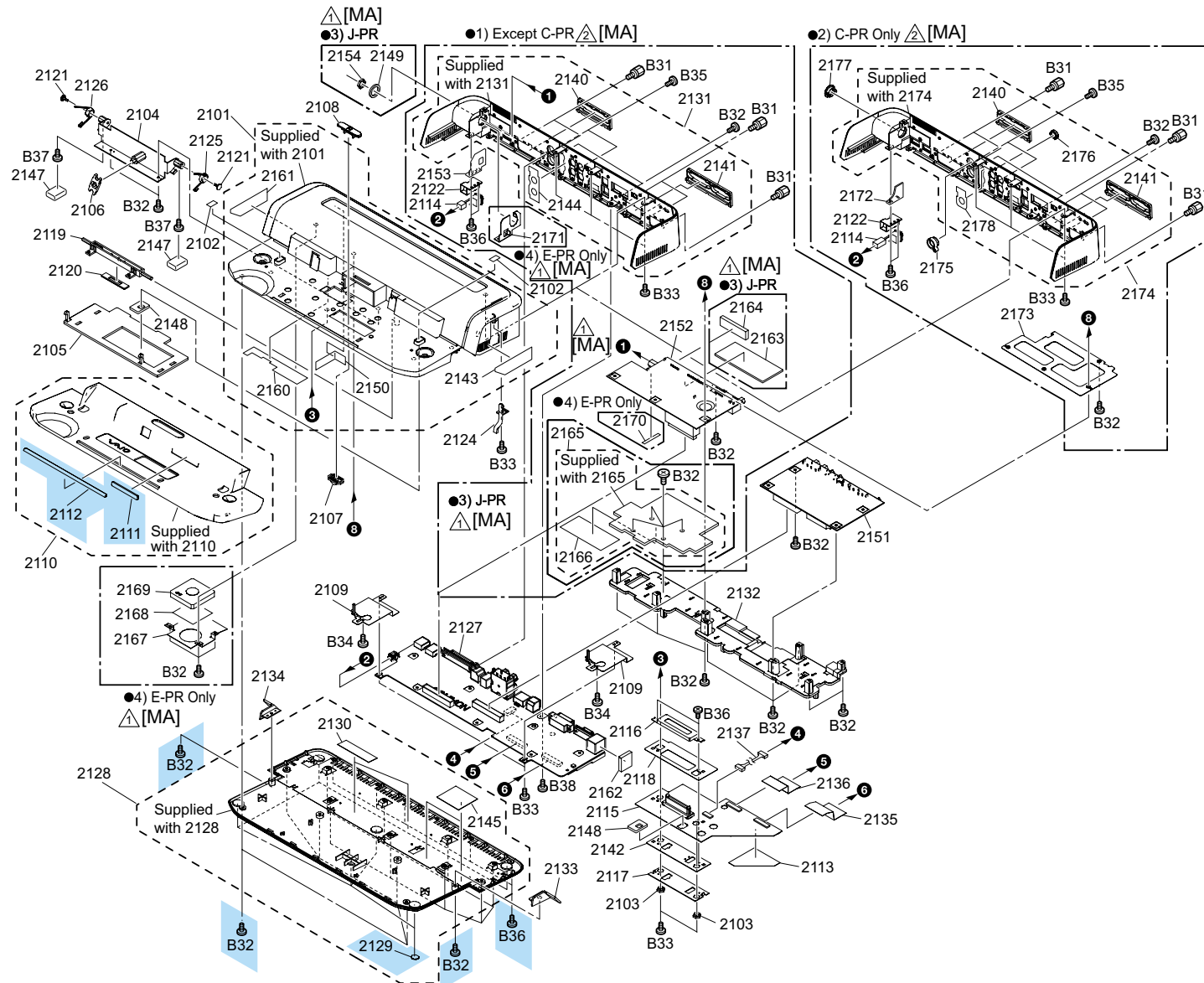
- △ [MA] △ [MA] △ [MA] ●1) Ref. 2005, 2009, 2010, 2011, 2023, 2024, 2025, 2026 は、Port Replicator 同梱機種のみについてきます。
●2) Ref. 2027 は、Pentium M 搭載機種のように同梱されます。(1-1.SPECIFICATIONをご参照ください)

- This model that is accompanied by asterisk (*) is the CTO model.
- 機種名に (*) がつくのはCTOモデルです。

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VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

A-2. Accessories



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VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

A-2. Accessories

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description		J-PR	U-PR	E-PR	C-PR
2101	X-4626-667-1	SUB HOUSING UPPER BPR ASSY	2128	X-4626-669-1	SUB HOUSING BOTTOM BPR ASSY					
2102	4-682-689-01	BPR MYLAR FOOT	2129	4-682-703-01	BPR RUBBET FOOT					
2103	4-682-693-01	BPR CAP BOSS DOCK CONN	2130	2-048-440-01	APR MYLAR B2B CONNECTOR					
2104	4-682-694-01	BPR BRACKET ARM TRAY	2132	X-4626-671-1	SUB FRAME BPR ASSY					
2105	4-682-695-01	BPR HOOK FRONT	2133	4-682-710-01	BPR COVER RIGHT HOUSING UPPER	△ [MA]				
2106	4-682-697-01	BPR ARM SLIDE HOOK YOKO	2134	4-682-711-01	BPR COVER LEFT HOUSING UPPER	△ [MA]				
2107	4-682-698-01	BPR KNOB HOOK RELEASE	2135	A-1058-418-A	PWB (60P), FLEXIBLE PRINT A	△ [MA]				
2108	4-682-699-01	BPR KNOB HOOK RELEASE BOTTON	2136	A-1058-419-A	PWB (60P), FLEXIBLE PRINT B	△ [MA]				
2109	4-682-700-01	BPR PIN GND	2137	A-1058-420-A	CABLE, ETHER					
2110	X-4626-672-1	SUB HOUSING TRAY BPR ASSY	2140	4-682-728-01	APR COVER BRACKET D-SUB-1					
2111	4-682-721-01	& BPR CUSHION REAR	2141	4-682-729-01	APR COVER BRACKET D-SUB-2	△ [MA]				
2112	4-682-720-01	& BPR CUSHION FRONT	2142	2-048-439-01	BPR ENFORCE PLATE	△ [MA]				
2113	2-048-435-01	BPR MYLAR FPC	2143	2-103-312-01	MYLAR TOP SHIELD R	△ [MA]				
2114	A-1058-415-A	HARNESS, DC	2145	2-103-314-01	MYLAR 34x40	△ [MA]				
2115	A-1121-773-A	\$ COMPLETE PWB CNX-271	2147	2-103-316-01	GASKET 7x10x2	△ [MA]				
2116	4-682-690-01	BPR PLATE DOCK CONN UPPER	2148	2-103-317-01	MYLAR HOOK FRONT	△ [MA]				
2117	4-682-691-01	BPR PLATE DOCK CONN BOTTOM	2150	2-103-318-01	APR FOIL AL 6x24	△ [MA]				
2118	2-048-436-01	BPR MYLAR SHIELDING	2151	A-1123-316-A	\$ COMPLETE PWB IFX-312C	△ [MA]				
2119	X-2021-564-1	BPR ASSYSUB CAM SLIDE HOOK	2160	2-048-434-01	BPR MYLAR BRACKET ARM TRAY	△ [MA]				
2120	2-048-437-01	BPR SPONGE CAM SLIDE HOOK	2161	2-103-313-01	BPR MYLAR TOP SHIELD L	△ [MA]				
2121	4-682-709-01	BPR ARM TRAY PIN	2162	2-148-338-01	BPR SPONGE USB 2 PORT					
2122	4-682-712-01	BPR BRACKET DC	B31	4-635-966-01	SCREW (HEX)					
2124	4-682-708-01	BPR LIGHT GUIDE LED	B32	4-671-504-11	<&> SCREW,TAPPING+P2.6					
2125	4-682-714-01	BPR SPRING TRAY R	B33	3-906-376-01	SCREW(2.6x6)					
2126	4-682-715-01	BPR SPRING TRAY L	B34	4-639-112-31	SCREW M2X4					
			B35	2-103-677-01	T3X8L, (I) B-NI					
			B36	4-641-726-21	<&> SCREW(M2),SPECIAL HEAD					
			B37	4-671-538-01	SCREW(M2x4),SPECIAL HEAD					
			B38	4-635-301-11	SCREW M3X4					

△ [MA]

△ [MA]

△ [MA]

△ [MA]

△ [MA]

△ [MA]

△ [MA]

Ref. No.	Part No.	Description	J-PR	U-PR	E-PR	C-PR
2127	A-1123-317-A	\$ COMPLETE PWB CNX-250A2	●	●	●	●
2128	A-1123-318-A	\$ COMPLETE PWB CNX-250C2	●	●	●	●
2131	X-4626-673-1	SUB COVER IO AV1 APR1 ASSY	●	●	●	●
2144	2-103-240-01	MYLAR RCA 1PIN	●	●	●	●
2149	4-680-501-01	RF CONN WASHER	●	●	●	●
2152	A-1123-314-A	\$ COMPLETE PWB CNX-29(J)	●	●	●	●
2153	A-1123-319-A	\$ COMPLETE PWB CNX-29(U)	●	●	●	●
2154	A-1123-321-A	\$ COMPLETE PWB CNX-34	●	●	●	●
2153	4-682-722-01	APR BRACKET TUNER	●	●	●	●
2154	4-680-482-01	RF CONN,NUT	●	●	●	●
2163	2-148-335-01	APR THERMAL PAD TUNER BIG	●	●	●	●
2164	2-148-336-01	APR THERMAL PAD TUNER SIDE	●	●	●	●
2165	X-2022-558-1	ASSY SUB HEATSINK TUNER	●	●	●	●
2166	2-148-337-01	APR ADHESIVE HEATSINK TUNER MO	●	●	●	●
2167	X-2024-177-1	APR SUB FAN BRACKET ASSY	●	●	●	●
2168	2-318-497-01	APR ADHESIVE FAN BRACKET	●	●	●	●
2169	A-1081-380-A	UDQFUMH07-AS DC FAN 105MM	●	●	●	●
2170	2-345-931-01	EPR MYLAR TUNER	●	●	●	●
2171	2-318-499-01	EPR BRACKET TUNER	●	●	●	●
2172	2-345-932-01	CPR SPACER DC	●	●	●	●
2173	2-345-933-01	CPR DUMMY BOARD	●	●	●	●
2174	X-2024-630-1	CPR COVER IO AV ASSY	●	●	●	●
2175	2-345-934-01	CPR CAP S-VIDEO	●	●	●	●
2176	2-345-935-01	CPR CAP VIDEO IN	●	●	●	●
2177	2-345-936-01	CPR CAP TUNER	●	●	●	●
2178	2-345-937-01	CPR MYLAR RCA	●	●	●	●

△ [MA]

△ [MA]

△ [MA]

- The destination is shown in the list of 4-1 for the Port Replicator. Please refer to list shown in the below.
- ポートリプリケータの仕向けは、4-1の一覧表を参照ください。

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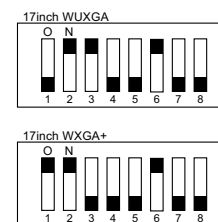
VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

DIP Switch

- The DIP switch setting is following table.
- DIPスイッチの設定は下の表をご参照ください。

J	
AM	
EU	<div> </div>
AO	<div> </div>

[FOR CTO MODEL]



The DIP switch setting is different depending the types of LCD.
 Set the DIP switch of the CTO model in accordance with the [FOR CTO MODEL].
 DIP スイッチの設定は、LCD の種類によって異なります。
 CTO モデルは、【FOR CTO MODEL】の表に従ってDIP スイッチを設定してください。

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VGN-A63/A73PS/A73S (J)
 VGN-A790 (AM)
 VGN-A417M/A417S/A497XP (EU)
 VGN-A49CP/A49GP (AO)

CHAPTER 5.

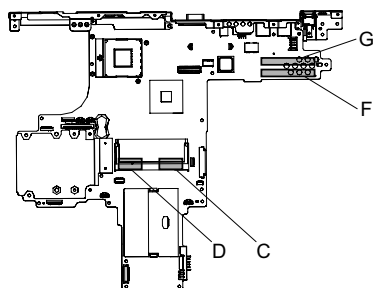
OTHER

5-1. The Barcode Label

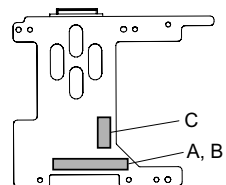
The hatched portion of the barcode is used as the repair data.

バーコードラベルの網掛け部は、修理データとして使用いたします。

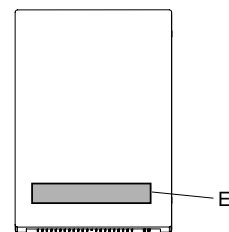
[MBX-128 Board] (Side A)




[IFX-378 Board] (Side B)

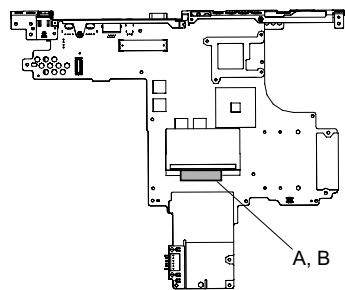


[HDD] (Made by Hi) (Bottom)

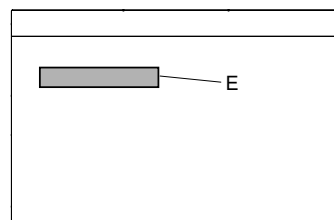


- A : Parts No.
- B : Serial No.
- C : Revision No.
- D : Product code
- E : Maker Barcode
- F : Global User ID (iLink)
- G : Mac Address
-  : Barcode

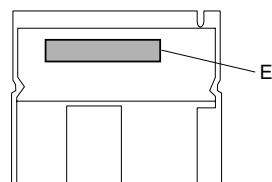
[MBX-128 Board] (Side B)



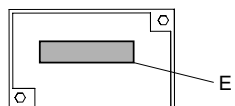
[LCD Unit] (Rear)



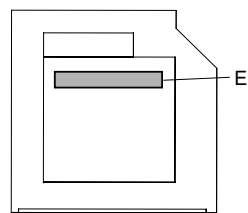
[Wireless LAN Card]



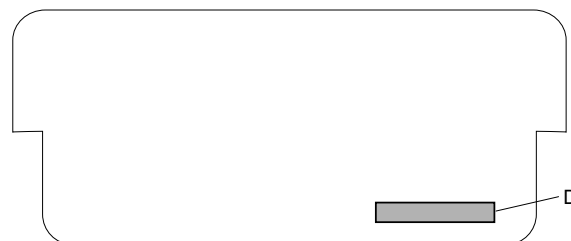
[Modem Card]



[Optical Drive] (Top)



[Port Replicator] (Rear)



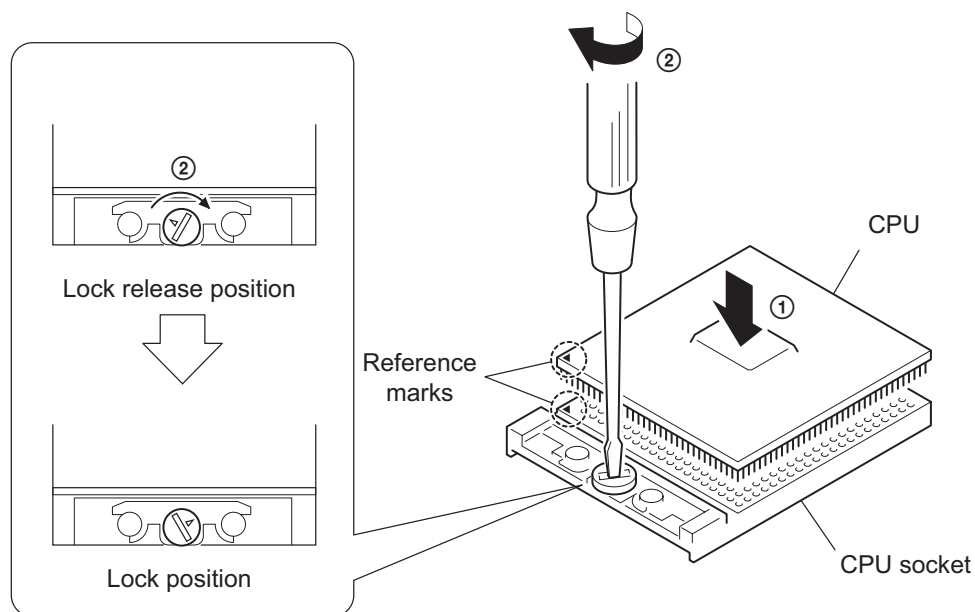
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VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

5-2. Replacing the CPU

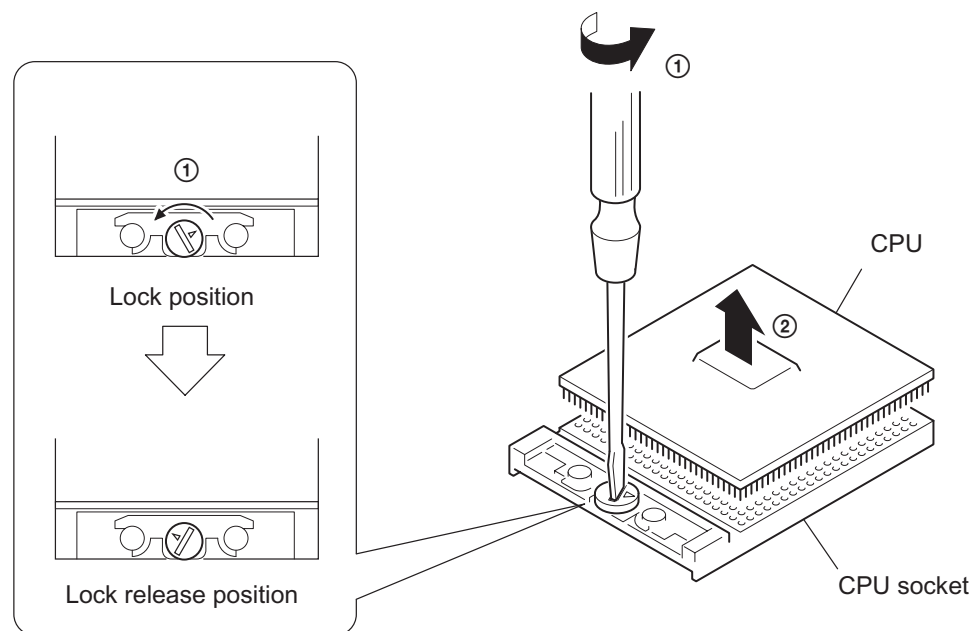
1. Removing the CPU

- ① Insert a flat-blade screwdriver into the notch as shown in the illustration and rotate it so that the protrusion comes to the lock release position.
- ② Pull the CPU gently upward to lift it out of the CPU socket.



2. Installing the CPU

- ① Align the triangle reference mark of the CPU with that of the CPU socket and insert all the pins of the CPU to the corresponding holes of the CPU socket.
- ② While pressing the two positions marked by ○, insert the flat head (-) screwdriver into the specified position and rotate the screwdriver to the LOCK position.



Note:

Rotate a flat-blade screwdriver to the lock position securely. If not, the operation of the CPU may become unstable.

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VGN-A63/A73PS/A73S (J)

VGN-A790 (AM)

VGN-A417M/A417S/A497XP (EU)

VGN-A49CP/A49GP (AO)



VGN-A63/A73PS/A73S (J)
VGN-A790 (AM)
VGN-A417M/A417S/A497XP (EU)
VGN-A49CP/A49GP (AO)

List of VGN-A Series (As of August, 2005)

Service Manual Part No.	Model Name			
	J	AM	EU	AO
9-876-367-XX	VGN-A50B	VGN-A130*	VGN-A115B	VGN-A11C
	VGN-A60B	VGN-A130P*	VGN-A115S	VGN-A13CP
	VGN-A60PS*	VGN-A170*	VGN-A117S	VGN-A15CP
	VGN-A60S*	VGN-A170P*	VGN-A195EP	VGN-A15GP
	VGN-A70P	VGN-A190	VGN-A195HP	VGN-A15LP
	VGN-A70PS*		VGN-A197VP	VGN-A17GP
	VGN-A70S*		VGN-A197XP	VGN-A17LP
				VGN-A17SP
9-876-374-XX		VGN-A140*	VGN-A115M	VGN-A17CP
		VGN-A140B*	VGN-A115Z	VGN-A19GP
		VGN-A140P*		VGN-A19LP
		VGN-A150		VGN-A19SP
		VGN-A160		VGN-A19TP
		VGN-A190F		
9-876-387-XX	VGN-A51PS1*	VGN-A230*	VGN-A215M	VGN-A21C
	VGN-A51PS2*	VGN-A230B*	VGN-A215Z	VGN-A23CP
	VGN-A51S1*	VGN-A230P*	VGN-A217M	VGN-A29CP
	VGN-A51S2*	VGN-A240*	VGN-A217S	VGN-A29GP
	VGN-A61B	VGN-A240B*	VGN-A295HP	VGN-A29LP
	VGN-A71PS*	VGN-A240P*	VGN-A297XP	VGN-A29SP
	VGN-A71S*	VGN-A250		VGN-A29TP
		VGN-A260		
		VGN-A270*		
		VGN-A270B*		
		VGN-A270P*		
		VGN-A290		
		VGN-A290F		
9-876-401-XX	VGN-A62B	VGN-A600*	VN-A317M	VGN-A39CP
	VGN-A72PB	VGN-A600B*	VN-A317S	VGN-A39GP
	VGN-A72PS1*	VGN-A600P*	VN-A397XP	
	VGN-A72PS2*	VGN-A690*		
	VGN-A72S1*			
9-876-419-XX	VGN-A63	VGN-A790	VGN-A417M	VGN-A49CP
	VGN-A73PS*		VGN-A417S	VGN-A49GP
	VGN-A73S*		VGN-A497XP	

* : CTO Model

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Revision History

Suffix	Ver.	Date	Contents	QM No.
-01	Ver. 1	2005.04.08	First Edition	
-02	Ver. 2	2005.04.21	△ ₁ Front Page (Model Lineup), Page 1-1, Page 4-1, Page 4-3, Page 4-5 to 4-9, Page 4-11, Page 4-13 to 4-17, Back Cover	N2005_001AK
-03	Ver. 3	2005.05.13	△ ₂ Front Page (Model Lineup), Page 1-1, Page 4-1, Page 4-3, Page 4-5, Page 4-7, Page 4-9, Page 4-11, Page 4-14 to 4-17, Back Cover	N2005_004AK
-04	Ver. 4	2005.05.20	△ ₃ Front Page (Model Lineup), Page 1-1, Page 4-1 to 4-3, Page 4-5, Page 4-7, Page 4-9, Page 4-11, Page 4-14, Page 4-16 to 4-17, Back Cover	N2005_013AK
-05	Ver. 5	2005.07.07	△ ₄ Front Page (Model Lineup), Page 1-1, Page 4-1, Page 4-3, Page 4-5, Page 4-7, Page 4-9, Page 4-11, Page 4-14, Page 4-17, Back Cover	N2005_038AK
-06	Ver. 6	2005.08.11	△ ₅ Page 4-7 to 4-9	N2005_043CK
<Remarks>				